

REPORT

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(LISTED BELOW) 50X1-HUM

SUPPLEMENT TO
REPORT NO.

THIS IS UNEVALUATED INFORMATION

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- Work on the development of the 2 kw television transmitter, which is to be developed later into a 10 kw transmitter, is held up by the non-existence of a suitable control tube. The OSW 2730 tube designed for use in this transmitter requires a control tube with a larger driving power (Steuerleistung) than that of the most powerful available. A control tube with 250 watt driving power is being developed now to fill this gap. Development work is also in progress on a tetrode (screened grid) which should be ready by the end of this year. Development work on the TV transmitter itself cannot start before these two tubes are ready. A further difficulty is caused by uncertainty whether the TV transmitter should be designed for use on the frequency at present used [] or whether the frequency of the 50X1-HUM T.2. TV receivers will be used.

2. In late July, Dr. Scholz presented to the police in Leipzig for inspection the prototype 200 watt parent station and one 10 watt out-station of the VIF (ca. 2 m.) FM motor vehicle intercommunication system for the police. The police rejected the sets as unsatisfactory because they were too selective (too great a "Frequenzhub") to be of use. This means that the sets will have to be redesigned completely. It is intended to base the new sets on the design of the [] intercommunications system, plans of which are held by the factory. Apparently the police told Prouss and Director Mueller of the Werk für Fernmeldewesen IF when the order was placed that they wished [] system to be copied. The outcome of this muddle has been that six months work has been wasted. 50X1-HUM 50X1-HUM
3. No progress has been made on the design of the radiosonde because there is no suitable person free. It is however possible that Dr. Boehm will accept the assignment. The Phonetika tube factory is manufacturing a small number of 2-volt battery triodes (KCCZ, which could be used in the radiosondes.*
4. The broadband 3 cm. transmitter is being tested between the tall and short towers in the grounds of the Werk IF. Truley (returned from the USSR) is in charge of the work. The tests are mainly modulation tests using speech.

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5. It has been decided that the available tube types are not suitable for use in the planned VHF receiver. New types (6 AK 5 and 6 CB 6) are being developed which will work down to 1 meter. The set must wait for the completion of these tubes.

6. Personalities

- a. Fomenko, formerly Russian head of SAG Kabel, was, in mid-June, placed in charge of all Russian property in Germany. He now occupies an office at the SAG headquarters in Berlin-Weissensee.
- b. Mataishenko, formerly head of AT (Elektro-Apparate-Werke) Treptow, was appointed to succeed Fomenko as head of SAG Kabel. A German has been given overall command of AT Treptow, although there is still a Russian chief engineer there. This is the first Soviet-owned factory to be placed under the control of a German.

- c. Glybin, Russian head of the Werk für Fernmeldewesen HF, returned from six weeks leave in the USSR on 25 July 1951.

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8. There is considerable friction between the three directors Müller, Dr. Eckhardt, and Dr. Lorenz. Dr. Eckhardt is believed to have given an ultimatum in late July that he would leave if Director Müller were not removed from his post within a month. Stösser, head of the tube factory, has given notice after a dispute with Korotov, the Russian chief engineer. Glybin has accepted his resignation.

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9. Pettkoscheck, who returned from the USSR

returned to the Werk HF

After initial reluctance, the Russians agreed to his employment in the factory at a salary of 1,200 DM (East) per month and are now busy exploiting the propaganda value of his return.

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* Comment: The Berlin telephone book 1950 lists Phonotika Radio VEB, Berlin-Weissensee, Franz-Joseph-Strasse 112.

** Comment: AT apparently is an abbreviation of Apparatefabriken Treptow, the former name of EAW (Elektro-Apparate-Werke), Elektrotechnische AG (SAG Isolator), Berlin-Treptow, Hoffmannstrasse 15-24.

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